



FURON®
Pure Performance

Furon® HPVM Valve

Pneumatically Actuated, 2-Way Valve (3/16" & 1/4" Orifice)

Description

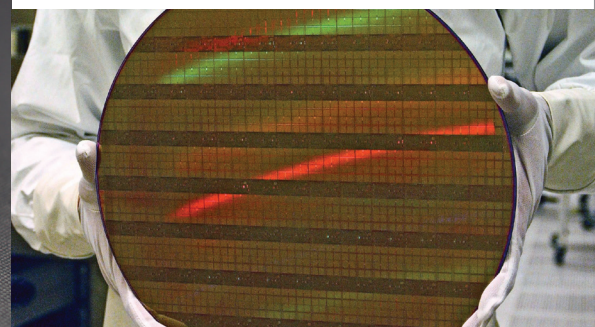
Pneumatically actuated, 2-way diaphragm valve for reliable on/off control.

Furon® HPVM Valves are compact and robust, offering superior performance and reliability in applications involving aggressive chemistries or abrasive slurries. Featuring a compact footprint with common port height among all configurations, Furon® HPVM Valves allow for ease of installation and optimum use of precious space. Additionally, Furon® HPVM valves feature flow paths specially designed to minimize entrapment of liquids within the valve.

Applications

Furon® HPVM Valves are ideal for use in the semiconductor industry, or other applications requiring high purity and/or superior chemical resistance.

- Designed for use in ultrapure deionized water and aggressive chemical applications
- Suitable for use in abrasive slurry
- Market applications include Semiconductor, Flat Panel, Photovoltaic, and Chemical Processing



Features and Benefits

- Pressure rated to 80 PSIG (5.5 bar)
- Visual position indicator with option for fiber-optic sensor
- Integral mounting base with top or bottom mount standard
- High purity PFA injection molded body with PTFE diaphragm
- Common port height among all HPVM configurations simplifies installation
- HPVM valve designs have been successfully tested for more than 1 million cycles

ASK AN ENGINEER


SAINT-GOBAIN

Furon HPVM-Valve - Pneumatically Actuated, 2-Way

Part Number	Actuation	End Connection	Orifice (in.)	Port Size (in.)	A
HPVM2-744-NC	Normally Closed	FuseBond™	1/4	1/4	1.6 (42.2 mm)
HPVM2-744-NO	Normally Open	FuseBond™	1/4	1/4	1.6 (42.2 mm)
HPVM2-F34-NC	Normally Closed	FlareGrip® II	3/16	1/4	3.5 (89.9 mm)
HPVM2-F34-NO	Normally Open	FlareGrip® II	3/16	1/4	3.5 (89.9 mm)
HPVM2-F46-NC	Normally Closed	FlareGrip® II	1/4	3/8	3.7 (95.3 mm)
HPVM2-F46-NO	Normally Open	FlareGrip® II	1/4	3/8	3.7 (95.3 mm)
HPVM2-S30034-NC	Normally Closed	Nippon Pillar Super 300®	3/16	1/4	Please contact us
HPVM2-S30034-NO	Normally Open	Nippon Pillar Super 300®	3/16	1/4	Please contact us
HPVM2-S30046-NC	Normally Closed	Nippon Pillar Super 300®	1/4	3/8	Please contact us
HPVM2-S30046-NO	Normally Open	Nippon Pillar Super 300®	1/4	3/8	Please contact us

Ordering Specifications

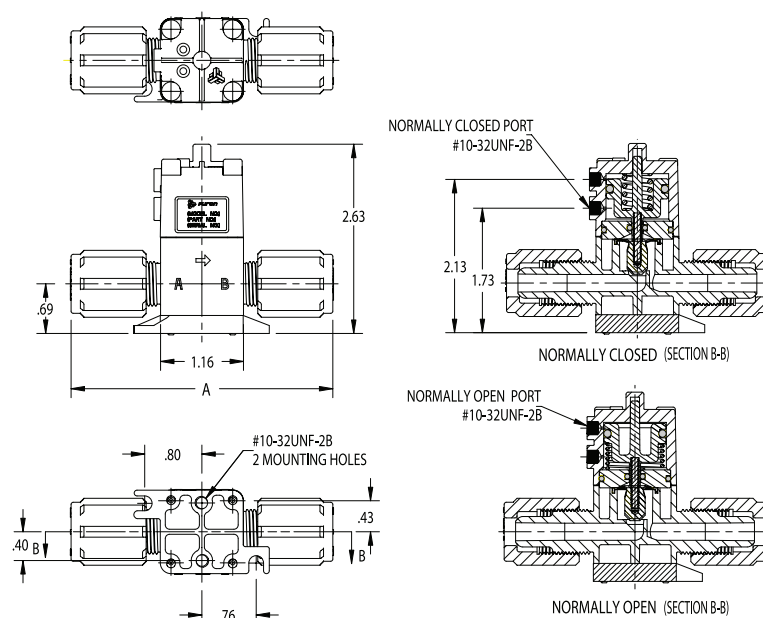
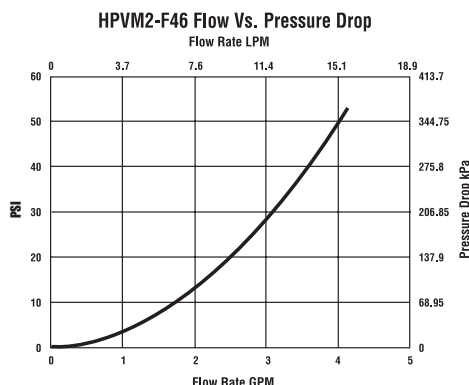
Operating Pressure	80 psig (5.5 bar)
Back Pressure	80 psig (5.5 bar)
Flow	C _v 0.70
Operating Temperature	203°F (95°C)
Actuator Pressure	60 - 100 PSIG (4.1 - 6.9 bar)
Body	PFA or PTFE
Diaphragm	PTFE
Actuator Housing	Polypropylene

HCl more than 2.1 million cycles
HF more than 2.1 million cycles
Slurry more than 1.6 million cycles

Options

- PFA Flare nuts (add-3)
- Other end connection types available:
 - FNPT
 - Pipe
 - Tube End
- Fiber optic position sensor
- Stainless steel actuation port insert (#10-32)
- DI Micro-adjust bypass
- Stroke limiter
- Custom manifolds

Please consult factory for further details >>



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